

Converting Colors

$Yxy(67.8571, 0.3138, 0.3924)$

Have a look what the booklet for
Yxy(67.8571, 0.3138, 0.3924)
contains.

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Color

Yxy(67.8571, 0.3138, 0.3924)

Conversions

Conversions Part 1

Format	Color
Hex	B5E3AF
RGB	181, 227, 175
RGB Percent	71%, 89%, 69%
CMY	0.2902, 0.1098, 0.3136
CMYK	0.20, 0.00, 0.23, 0.11
HSL	113°, 48%, 79%
HSV	113°, 23%, 89%
XYZ	54.2649, 67.8571, 50.8064
YIQ	207.3180, -10.7240, -25.9240

Conversions

Conversions Part 2

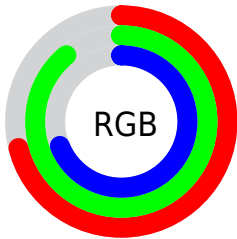
Format	Color
RYB	175, 227, 221
Decimal	11920303
CIELab	85.93, -24.58, 20.62
CIELCh	86, 32.089, 140.004
Yxy	67.8571, 0.3138, 0.3924
Android (android.graphics.Color)	4290110383 (0xFFB5E3AF)
YUV	207.3180, -15.9328, -23.0809
Hunter-Lab	82.3754, -26.5699, 21.0947

Details

The Yxy color **67.8571, 0.3138, 0.3924** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.5915, 0.3104, 0.2713**, and the grayscale version is **62.7252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2940, 0.3153, 0.3531**, and **35.0430, 0.3133, 0.4092** is the 20% darker color. If you saturate the color by 10%, you get **64.7855, 0.3138, 0.4249**, and if you desaturate by 10%, it is **71.4346, 0.3135, 0.3627**.

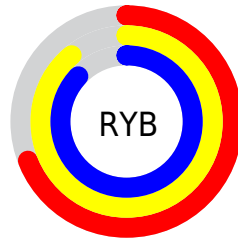
Distribution



Red (71%)

Green (89%)

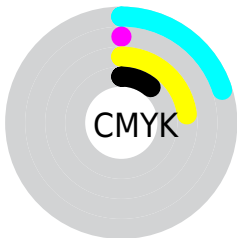
Blue (69%)



Red (69%)

Yellow (89%)

Blue (87%)

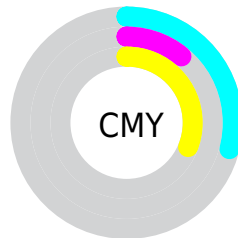


Cyan (20%)

Magenta (0%)

Yellow (23%)

Black (11%)



Cyan (29%)


Magenta (11%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8571, 0.3138, 0.3924 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 67.8571, 0.3138, 0.3924 by changing the saturation by 10% instead.


 67.8571, 0.3138,
0.3924

 67.8571, 0.3138,
0.3924

452.9895, 0.3139,
0.3615

 49.7815, 0.3136,
0.3998

 116.1477, 0.3140,
0.3814

 35.2398, 0.3133,
0.4092

147.1315, 0.3140,
0.3772

 23.8477, 0.3126,
0.4214


183.1867, 0.3140,
0.3736

 15.2207, 0.3115,
0.4380

224.6979, 0.3140,
0.3705

 8.9744, 0.3094,
0.4615

272.0494, 0.3140,
0.3679

 4.7245, 0.3049,
0.4974

325.6256, 0.3140,

 2.0865, 0.2999,

0.3655

385.8108, 0.3139,
0.3634

0.5694

0.6570, 0.0358,
0.9642

0.0000, 0.0000,
0.0000

67.8571, 0.3138,
0.3924

67.8571, 0.3138,
0.3924

64.7855, 0.3138,
0.4249

71.4346, 0.3135,
0.3627

62.1887, 0.3134,
0.4594

75.5303, 0.3129,
0.3361

60.0455, 0.3125,
0.4942

80.1669, 0.3122,
0.3127

58.3297, 0.3110,
0.5273

83.4199, 0.3140,
0.3019

■ 57.0122, 0.3090,
0.5561

■ 56.0604, 0.3066,
0.5783

■ 55.4364, 0.3040,
0.5924

■ 55.1609, 0.3025,
0.5980

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8571, 0.3524, 0.4000



67.8571, 0.3138, 0.3924



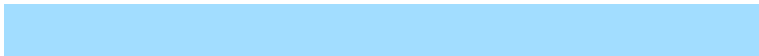
67.8571, 0.2765, 0.3639

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.8571, 0.3138, 0.3924



67.8571, 0.2470, 0.2701



67.8571, 0.3794, 0.3271

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67.8571, 0.3138, 0.3924



51.5915, 0.3104, 0.2713

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.8571, 0.3478, 0.2971



67.8571, 0.3138, 0.3924



67.8571, 0.2712, 0.2649

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.8571, 0.3138, 0.3924



67.8571, 0.2395, 0.2911



67.8571, 0.3076, 0.2749



67.8571, 0.3918, 0.3593

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.8571, 0.3138, 0.3924



67.8571, 0.2571, 0.3383



67.8571, 0.3076, 0.2749



67.8571, 0.3706, 0.3165

Sweetspot

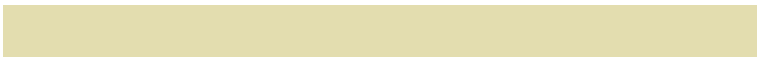
The Sweet Spot groups the original color and five complimentary colors.



67.8600, 0.3138, 0.3924



96.0293, 0.3132, 0.3467



71.1081, 0.3486, 0.3798



20.4844, 0.3132, 0.3483



0.0000, 0.0000, 0.0000



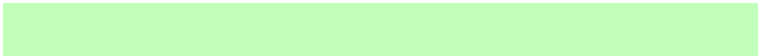
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8600, 0.3138, 0.3924



86.5500, 0.3139, 0.4060



67.9944, 0.2976, 0.3679



16.1681, 0.3133, 0.3532



32.1945, 0.3030, 0.5977



2.4055, 0.3096, 0.5924

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.5915, 0.3104, 0.2713



62.1900, 0.3098, 0.2603



51.5094, 0.3316, 0.2931



14.5267, 0.3120, 0.3057



10.5005, 0.2922, 0.1383



0.8000, 0.2966, 0.1408

Previews

White Background



This preview shows how the Yxy color 67.8571, 0.3138, 0.3924 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 67.8571, 0.3138, 0.3924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

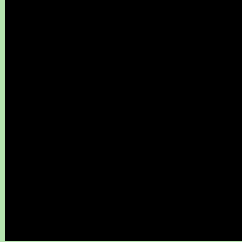
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

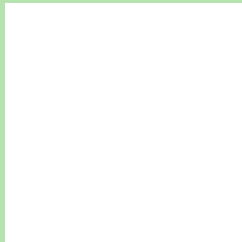
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8571, 0.3138, 0.3924

Background



This preview shows how black text looks on a background with the Yxy color 67.8571, 0.3138, 0.3924.

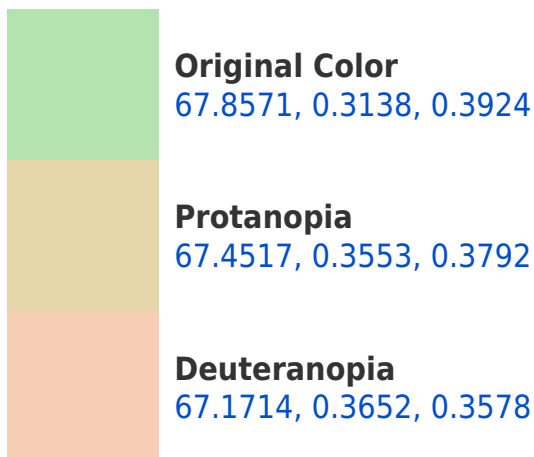


This preview shows how white text looks on a background with the Yxy color 67.8571, 0.3138, 0.3924.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

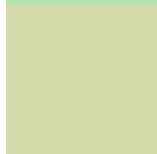
67.7955, 0.2830, 0.3097

Trichromacy



Original Color

67.8571, 0.3138, 0.3924



Protanomaly

67.4522, 0.3395, 0.3845



Deuteranomaly

66.9955, 0.3449, 0.3696



Tritanomaly

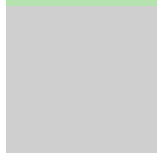
67.6624, 0.2938, 0.3383

Monochromacy



Original Color

67.8571, 0.3138, 0.3924



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.0390, 0.3139, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8571, 0.3138, 0.3924 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(181, 227, 175)` looks like.

```
.text, #text, p{  
    color:rgb(181, 227, 175)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(181, 227, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 227, 175) }
```

Border

The CSS property to change the border of an element to Yxy 67.8571, 0.3138, 0.3924 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 227, 175) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(181, 227, 175) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(181, 227, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 227, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 227, 175);  
box-shadow:4px 4px 4px 4px rgb(181, 227,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8571, 0.3138, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 227, 175) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(181,  
227, 175) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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